

**DECLARATION**

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: HLA BINDING PEPTIDES AND THEIR USES the specification of which     is attached hereto or   x   was filed on February 3, 1998 as Application No. 09/017,524 and was amended on     (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes <u>  </u> No <u>  </u>
			Yes <u>  </u> No <u>  </u>

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

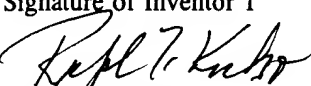
Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/589,107	January 23, 1996	<u>  </u> Patented <u>  X  </u> Pending <u>  </u> Abandoned
		<u>  </u> Patented <u>  </u> Pending <u>  </u> Abandoned

Full Name of Inventor 1	Last Name <b>Kubo</b>	First Name <b>Ralph</b>	Middle Name or Initial <b>T.</b>	
Residence & Citizenship	City <b>San Diego</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>USA</b>	
Post Office Address	Post Office Address <b>12635 Futura St.</b>	City <b>San Diego</b>	State/Country <b>California</b>	Zip Code <b>92130</b>
Full Name of Inventor 2	Last Name <b>Grey</b>	First Name <b>Howard</b>	Middle Name or Initial <b>M.</b>	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>USA</b>	
Post Office Address	Post Office Address <b>9066 La Jolla St.</b>	City <b>La Jolla</b>	State/Country <b>California</b>	Zip Code <b>92037</b>
Full Name of Inventor 3	Last Name <b>Sette</b>	First Name <b>Alessandro</b>	Middle Name or Initial	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>Italy</b>	
Post Office Address	Post Office Address <b>5551 Linda Rosa Avenue</b>	City <b>La Jolla</b>	State/Country <b>California</b>	Zip Code <b>92037</b>
Full Name of Inventor 4	Last Name <b>Celis</b>	First Name <b>Esteban</b>	Middle Name or Initial	
Residence & Citizenship	City <b>San Diego</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>Mexico</b>	
Post Office Address	Post Office Address <b>13644 Landfair Road</b>	City <b>San Diego</b>	State/Country <b>California</b>	Zip Code <b>92130</b>
Full Name of Inventor 5	Last Name <b>Southwood</b>	First Name <b>Scott</b>	Middle Name or Initial	
Residence & Citizenship	City <b>Santee</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>USA</b>	
Post Office Address	Post Office Address <b>10679 Strathmore Dr.</b>	City <b>Santee</b>	State/Country <b>California</b>	Zip Code <b>92071</b>
Full Name of Inventor 6	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  <b>Ralph A. Kubo</b>	Signature of Inventor 2  <b>Howard M. Grey</b>	Signature of Inventor 3  <b>Alessandro Sette</b>
Date <i>June 19, 1998</i>	Date	Date
Signature of Inventor 4  <b>Esteban Celis</b>	Signature of Inventor 5  <b>Scott Southwood</b>	Signature of Inventor 6
Date	Date	Date

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My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **HLA BINDING PEPTIDES AND THEIR USES** the specification of which \_\_\_ is attached hereto or x was filed on February 3, 1998 as Application No. 09/017,524 and was amended on \_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

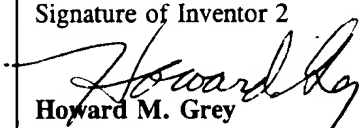
Application No.	Filing Date

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08/589,107	January 23, 1996	_ Patented <u>X</u> Pending _ Abandoned
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Full Name of Inventor 2	Last Name <b>Grey</b>	First Name <b>Howard</b>	Middle Name or Initial <b>M.</b>	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>USA</b>	
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Full Name of Inventor 3	Last Name <b>Sette</b>	First Name <b>Alessandro</b>	Middle Name or Initial	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>Italy</b>	
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Signature of Inventor 1 <b>Ralph T. Kubo</b>	Signature of Inventor 2  <b>Howard M. Grey</b>	Signature of Inventor 3 <b>Alessandro Sette</b>
Date	Date <b>5/13/98</b>	Date
Signature of Inventor 4 <b>Esteban Celis</b>	Signature of Inventor 5 <b>Scott Southwood</b>	Signature of Inventor 6
Date	Date	Date

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Attorney Docket No. 018623-005091US

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**Prior Foreign Application(s)**

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

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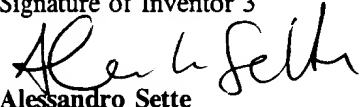
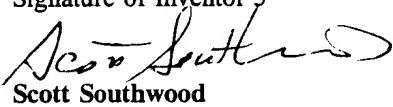

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Date	Date	Date <b>5/12/98</b>
Signature of Inventor 4 <b>Esteban Celis</b>	Signature of Inventor 5  <b>Scott Southwood</b>	Signature of Inventor 6 
Date	Date <b>5/12/98</b>	Date

DEC-6.MRG 8/96

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Full Name of Inventor 2	Last Name <b>Grey</b>	First Name <b>Howard</b>	Middle Name or Initial <b>M.</b>	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>USA</b>	
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Full Name of Inventor 3	Last Name <b>Sette</b>	First Name <b>Alessandro</b>	Middle Name or Initial	
Residence & Citizenship	City <b>La Jolla</b>	State/Foreign Country <b>California</b>	Country of Citizenship <b>Italy</b>	
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Date	Date	Date
Signature of Inventor 4  <b>Esteban Celis</b>	Signature of Inventor 5 <b>Scott Southwood</b>	Signature of Inventor 6
Date <b>6/22/98</b>	Date	Date

DEC-6.MRG 8/96

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**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**Applicant: Ralph T. Kubo et al.Application No.: 09/017,524Filed: 2/3/98For: HLA BINDING PEPTIDES AND THEIR USESEpiimmune, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 17 JUL 1998Name: Timothy J. Lithgow, M.D., J.D.Title: Director, Intellectual PropertySignature: [Signature]P22D,MRO (w/ PWR,MRO) 8/98  
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ralph T. Kubo of 12635 Futura Street, San Diego, California 92130, Howard M. Grey of 9066 LaJolla Street, La Jolla, California 92037, Alessandro Sette of 5551 Linda Rosa Avenue, La Jolla, California 92037, Esteban Celis of 13644 Landfair Road, San Diego, California 92130 and Scott Southwood of 10679 Strathmore Drive, Santee, California 92071, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **HLA BINDING PEPTIDES AND THEIR USES**

Date(s) of execution of Declaration: June 19, 1998

Filing date: February 3, 1998 Application No.: 09/017,524; and

WHEREAS, Epimmune, Inc., a Delaware corporation, located at 6555 Nancy Ridge Drive, Suite 200, San Diego, California 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully

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*Not for recitation*

may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: June 19, 1998

Ralph T. Kubo  
Ralph T. Kubo

STATE OF CAL  
COUNTY OF SAN DIEGO

On JUNE 19<sup>th</sup> 1998, before me, F. P. LANGAN, Notary Public (here insert name and title of the officer), personally appeared Ralph T. Kubo, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature

[Signature]

(Seal)



Date: \_\_\_\_\_

\_\_\_\_\_  
Howard M. Grey

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared Howard M. Grey, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Alessandro Sette**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Alessandro Sette**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Esteban Celis**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Esteban Celis**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)



Date: \_\_\_\_\_

\_\_\_\_\_  
Scott Southwood

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared Scott Southwood, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ralph T. Kubo of 12635 Futura Street, San Diego, California 92130, Howard M. Grey of 9066 LaJolla Street, La Jolla, California 92037, Alessandro Sette of 5551 Linda Rosa Avenue, La Jolla, California 92037, Esteban Celis of 13644 Landfair Road, San Diego, California 92130 and Scott Southwood of 10679 Strathmore Drive, Santee, California 92071, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **HLA BINDING PEPTIDES AND THEIR USES**

Date(s) of execution of Declaration: 5/13/98

Filing date: February 3, 1998 Application No.: 09/017,524; and

WHEREAS, Epimmune, Inc., a Delaware corporation, located at 6555 Nancy Ridge Drive, Suite 200, San Diego, California 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully

COPY

*Not for recordation*

may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

**Ralph T. Kubo**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Ralph T. Kubo**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: May 13, 1998

Howard M. Grey  
Howard M. Grey

STATE OF California

COUNTY OF San Diego

On May 13, 1998, before me, Traci Ferguson, Notary Public (here insert name and title of the officer), personally appeared **Howard M. Grey**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Traci Ferguson



Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Alessandro Sette**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Alessandro Sette**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Esteban Celis**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Esteban Celis**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Scott Southwood**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Scott Southwood**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ralph T. Kubo of 12635 Futura Street, San Diego, California 92130, Howard M. Grey of 9066 LaJolla Street, La Jolla, California 92037, Alessandro Sette of 5551 Linda Rosa Avenue, La Jolla, California 92037, Esteban Celis of 13644 Landfair Road, San Diego, California 92130 and Scott Southwood of 10679 Strathmore Drive, Santee, California 92071, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **HLA BINDING PEPTIDES AND THEIR USES**

Date(s) of execution of Declaration: 5/12/98

Filing date: February 3, 1998 Application No.: 09/017,524; and

WHEREAS, Epimmune, Inc., a Delaware corporation, located at 6555 Nancy Ridge Drive, Suite 200, San Diego, California 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully

COPY  
*Not for recalculation*

may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

\_\_\_\_\_  
**Ralph T. Kubo**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Ralph T. Kubo**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Howard M. Grey**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Howard M. Grey**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: 5/12/98

Alessandro Sette  
Alessandro Sette

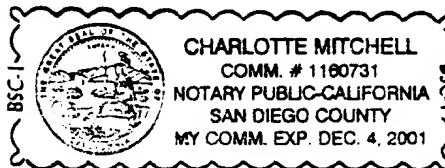
STATE OF CALIFORNIA

COUNTY OF SAN DIEGO

On 5/12/98, before me, CHARLOTTE MITCHELL (here insert name and title of the officer), personally appeared **Alessandro Sette**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Charlotte Mitchell (Seal)



Date: \_\_\_\_\_

\_\_\_\_\_  
Esteban Celis

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Esteban Celis**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)



Date: 5/12/98

Scott Southwood  
Scott Southwood

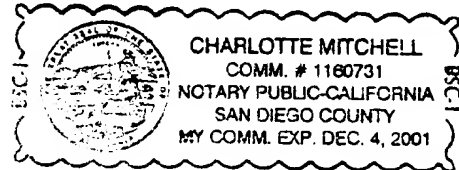
STATE OF CALIFORNIA

COUNTY OF SAN DIEGO

On 5/12/98, before me, CHARLOTTE MITCHELL (here insert name and title of the officer), personally appeared Scott Southwood, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Charlotte Mitchell (Seal)



ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ralph T. Kubo of 12635 Futura Street, San Diego, California 92130, Howard M. Grey of 9066 LaJolla Street, La Jolla, California 92037, Alessandro Sette of 5551 Linda Rosa Avenue, La Jolla, California 92037, Esteban Celis of 13644 Landfair Road, San Diego, California 92130 and Scott Southwood of 10679 Strathmore Drive, Santee, California 92071, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **HLA BINDING PEPTIDES AND THEIR USES**

Date(s) of execution of Declaration: 6/22/98

Filing date: February 3, 1998 Application No.: 09/017,524; and

WHEREAS, Epimmune, Inc., a Delaware corporation, located at 6555 Nancy Ridge Drive, Suite 200, San Diego, California 92121, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully

COPY

*Not for recordation*

may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

\_\_\_\_\_  
**Ralph T. Kubo**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Ralph T. Kubo**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
**Howard M. Grey**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Howard M. Grey**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

Alessandro Sette

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared Alessandro Sette, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

6/22/98

*Esteban Celis*

Esteban Celis

STATE OF \_\_\_\_\_

Minnesota

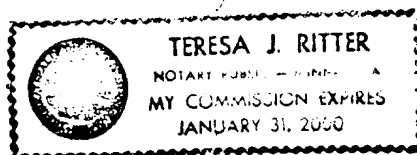
COUNTY OF \_\_\_\_\_

Alameda

On June 22, 1998, before me, Esteban Celis (here insert name and title of the officer), personally appeared Esteban Celis, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature *Teresa J. Ritter* (Seal)



Date: \_\_\_\_\_

\_\_\_\_\_  
Scott Southwood

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_ (here insert name and title of the officer), personally appeared **Scott Southwood**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)